

Title (en)  
BALE OPENER

Title (de)  
BALLENÖFFNER

Title (fr)  
OUVREUSE DE BALLES

Publication  
**EP 3536834 A1 20190911 (DE)**

Application  
**EP 19158750 A 20190222**

Priority  
CH 2772018 A 20180307

Abstract (en)  
[origin: US2019276953A1] A take-off arm is provided for a bale opener for taking off fiber flocks from fiber bales. The take-off arm includes a housing, and a take-off unit having an axial length within the housing. A pressing element is connected to the housing via only load cells such that a contact force (F) of the take-off arm on the fiber bales is continuously measured by an evaluation of the load cells situated between the pressing element and the housing.

Abstract (de)  
Die Erfindung bezieht sich auf einen Abtragarm (6) für einen Ballenöffner (1) sowie einen Ballenöffner und ein Verfahren zum Abtragen von Faserflocken (10) von Faserballen (2). Der Abtragarm (6) weist ein Gehäuse (15), zumindest ein Abtragorgan (7) mit einer axialen Länge (16) und ein Andruckelement (17) auf. Das Andruckelement (17) ist über Kraftmessdosen (21) mit dem Gehäuse (15) verbunden.

IPC 8 full level  
**D01G 7/06** (2006.01); **D01G 31/00** (2006.01)

CPC (source: BR CH CN EP US)  
**D01G 7/02** (2013.01 - BR); **D01G 7/04** (2013.01 - US); **D01G 7/06** (2013.01 - EP US); **D01G 7/10** (2013.01 - CN); **D01G 7/12** (2013.01 - CH US); **D01G 7/14** (2013.01 - CN); **D01G 31/00** (2013.01 - EP US)

Citation (search report)

- [X] EP 3239368 A1 20171101 - RIETER AG MASCHF [CH]
- [X] WO 2009062325 A1 20090522 - RIETER AG MASCHF [CH], et al
- [A] JP 2000027035 A 20000125 - NIPPON SPINDLE MFG CO LTD
- [A] JP H02210028 A 19900821 - OHTORI KIKO CO LTD
- [A] CN 106637540 A 20170510 - HUZHOU DONGKAI TEXTILE CO LTD

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3536834 A1 20190911**; **EP 3536834 B1 20231018**; BR 102019002906 A2 20190917; BR 102019002906 B1 20240109; CH 714726 A1 20190913; CN 110241487 A 20190917; CN 110241487 B 20230829; TW 201938865 A 20191001; TW I828657 B 20240111; US 11286584 B2 20220329; US 2019276953 A1 20190912

DOCDB simple family (application)  
**EP 19158750 A 20190222**; BR 102019002906 A 20190212; CH 2772018 A 20180307; CN 201910168153 A 20190306; TW 108107007 A 20190304; US 201916292404 A 20190305